abcam

ab325246

Anti-ICOSL/CD275 antibody [EPR30369-543] - BSA and Azide free

Recombinant | RabMAb

Key facts

Isotype	IgG
Host species	Rabbit
Storage buffer	pH: 7.2 - 7.4 Constituents: PBS
Form	Liquid
Clonality	Monoclonal
Immunogen	The exact immunogen used to generate this antibody is proprietary information.
Carrier free	Yes
Clone number	EPR30369-543
Purification technique	Affinity purification Protein A
Concentration	1.014 mg/mL The concentration of this product may be batch-dependent Batch concentration finder →

Reactivity data

Flow Cyt

Tested

Species	Mouse
Dilution info	-

Notes	-

ICC/IF

Not recommended

Species	Mouse
Dilution info	-
Notes	-

IHC-P

Not recommended

Species	Mouse
Dilution info	-
Notes	-

WB

Not recommended

Species	Mouse
Dilution info	-
Notes	-

Target data

See full target information ICOSL/CD275

Function	Ligand for the T-cell-specific cell surface receptor ICOS (PubMed:10549624, PubMed:10617205, PubMed:10657606). Acts as a costimulatory signal for T-cell proliferation and cytokine secretion; also induces B-cell proliferation and differentiation into plasma cells (PubMed:10549624, PubMed:10617205, PubMed:10657606). Could play an important role in mediating local tissue responses to inflammatory conditions, as well as in modulating the secondary immune response by co-stimulating memory T-cell function (Probable). During pregnancy, may function to skew the cytokine of maternal T-cells toward immunoprotective Th2 phenotype.

Storage

Shipped at conditions	Blue Ice
Appropriate short-term storage conditions	+4°C
Appropriate long-term storage conditions	+4°C

Notes

ab325246 is the carrier-free version of ab325235

Patented technology

Our RabMAb® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb® patents.

What are the advantages of a recombinant monoclonal antibody?

This product is a recombinant monoclonal antibody, which offers several advantages including:

- High batch-to-batch consistency and reproducibility
- Improved sensitivity and specificity
- Long-term security of supply
- Animal-free batch production

For more information, read more on recombinant antibodies.

Conjugation ready

Our carrier-free antibodies are typically supplied in a PBS-only formulation, purified and free of BSA, sodium azide and glycerol. This conjugation-ready format is designed for use with fluorochromes, metal isotopes, oligonucleotides, and enzymes, which makes them ideal for antibody labelling, functional and cell-based assays, flow-based assays (e.g. mass cytometry) and Multiplex Imaging applications.

Use our conjugation kits for antibody conjugates that are ready-to-use in as little as 20 minutes with 1 minute hands-on-time and 100% antibody recovery: available for fluorescent dyes, HRP, biotin and gold.

Compatibility

This product is compatible with the Maxpar® Antibody Labeling Kit from Fluidigm, without the need for antibody preparation. Maxpar® is a trademark of Fluidigm Canada Inc.

Product promise

Tested

We have tested this species and application combination and it works. It is covered by our product promise.

Expected

We have not tested this specific species and application combination in-house, but expect it will work. It is covered by our product promise.

Predicted

This species and application combination has not been tested, but we predict it will work based on strong homology. However, this combination is not covered by our product promise.

Not recommended

We do not recommend this combination. It is not covered by our product promise.

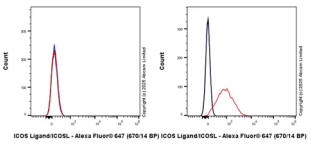
We are dedicated to supporting your work with high quality reagents and we are here for you every step of the way should you need us.

In the unlikely event of one of our products not working as expected, you are covered by our product promise.

Full details and terms and conditions can be found here:
Terms & Conditions.

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3 product images



Flow Cytometry - Anti-ICOSL/CD275 antibody [EPR30369-543] - BSA and Azide free (ab325246)

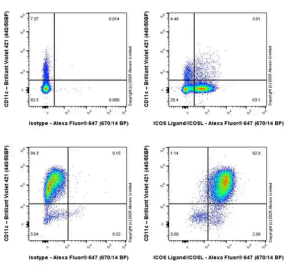
ICOSL/CD275 Flow Cytometry staining using rabbit Anti-ICOSL/CD275 antibody

This data was developed using ab325235, the same antibody clone in a different buffer formulation.

Flow cytometric analysis of EL4 (mouse lymphoma T lymphocyte, Left) and A20 (mouse reticulum sarcoma B lymphocyte, Right) labelling ICOS Ligand/ICOSL with ab325235 at 1/500 dilution (0.1ug) / Red compared with a Rabbit monoclonal IgG (ab172730) / Black isotype control and an unlabelled control (cells without incubation with primary antibody and secondary antibody).

Goat anti-Rabbit IgG (Alexa Fluor® 647, ab150083) at 1/5000 dilution was used as the secondary antibody.

Negative control: EL4.
Gated on viable cells.



Flow Cytometry - Anti-ICOSL/CD275 antibody [EPR30369-543] - BSA and Azide free (ab325246)

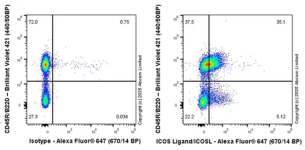
ICOSL/CD275 Flow Cytometry staining using rabbit Anti-ICOSL/CD275 antibody

This data was developed using ab325235, the same antibody clone in a different buffer formulation.

Flow cytometric analysis of Mouse bone marrow treated with 20ng/ml GM-CSF for 13 days (Lower left and right) and Untreated mouse bone marrow (Upper left and right) labelling ICOS Ligand/ICOSL with ab325235 at 1/500 dilution (0.1ug) / Upper right and Lower right compared with a Rabbit monoclonal IgG (ab172730) / Left isotype control and an unlabelled control (cells without incubation with primary antibody and secondary antibody).

Goat anti-Rabbit IgG (Alexa Fluor® 647, ab150083) at 1/5000 dilution was used as the secondary antibody.

Gated on viable cells. Cells were co-stained with anti-CD11c conjugated to Brilliant Violet 421.



Flow Cytometry - Anti-ICOSL/CD275 antibody [EPR30369-543] - BSA and Azide free (ab325246)

ICOSL/CD275 Flow Cytometry staining of Mouse spleen cell using rabbit Anti-ICOSL/CD275 antibody

This data was developed using ab325235, the same antibody clone in a different buffer formulation.

Flow cytometric analysis of Mouse spleen cell labelling ICOS Ligand/ICOSL with ab325235 at 1/500 dilution (0.1ug) / Right compared with a Rabbit monoclonal IgG (ab172730) / Left isotype control and an unlabelled control (cells without incubation with primary antibody and secondary antibody).

Goat anti-Rabbit IgG (Alexa Fluor® 647, ab150083) at 1/5000 dilution was used as the secondary antibody.

Gated on viable cells. Cells were co-stained with anti-CD45R/B220 conjugated to Brilliant Violet 421.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.